



Shakun Polymers is part of
Alphagary, an Orbia business

alphagary | orbia Polymer Solutions



HIGH PERFORMANCE AND COST EFFECTIVE COMPOUND SOLUTION FOR BUILDING WIRE APPLICATION

To provide maximum value to our customers in terms of line speed, surface finish, cost, and on-time deliveries, Shakun's range of halogen-free flame retardant insulation products is the answer. Our compounds are primarily used for building wires that meet the standards for Indian and international markets.

Our Halogen Free Flame Retardant grades are

Thermoplastic

- SPL-ZHFR-3500 IS
- SPL-ZHFR-3400
- SPL-ZHFR-3500H

Cross-linkable

- SPL-ZHFR-7000 XL
- SPL-ZHFR-8000 XL

Building Wires & Flexibles

Halogen Free Flame Retardant building wires can be of two types:

- Thermoplastic Halogen Free Flame Retardant Building wire that exhibits higher volume resistivity can bear more load.
- Cross linked Halogen Free Flame Retardant Building wire that not only increases life and current carrying capacity significantly but also prevents fire due to over load and short circuit.

Features of Halogen Free Flame Retardant Wires.



Eco-friendly, LOW smoke,
NO HALOGEN (Cl, Br, I)

- No smell, no colour smoke.
- Non Halogenated- non Hazardous.
- 80 % Light transmission – easy to exist during fire –EASY Life Saving.



Desired Mechanical
Properties

- High Tensile strength.
- Better elongation & flexibility.
- High line speed.
- Easy processing.
- Better Tear resistance.



- Long term Performance.
- High thermal stability.
- Heat ageing @ 135 °C, confirms the long term performance of the product.
- High VR property.
- High current carrying capacity.